

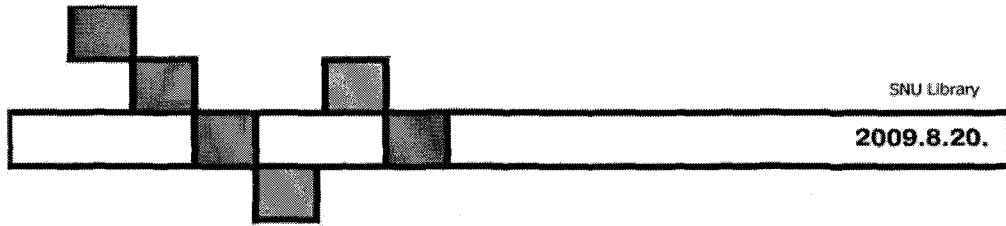
기관리포지터리 S-Space 운영 및 활성화

서울대학교 도서관

김 미 향

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SNU Library

2009.8.20.

기관 리포지터리(Institutional Repository) S - Space 운영 및 활성화



김미향

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차례



- 도서관의 의미
- 오픈 액세스 및 오픈 소스
- DSpace
- 다양한 DSpace 운영 사례
- S-Space
- SHERPA/RoMEO 및 저작권 관리
- S-Space 운영 및 이용률 분석
- 문제점
- 활성화 방안 및 기대효과



도서관의 의미

인류의 지적 산물을

수집

보존

누구나 이용할 수 있도록 체계화

서비스하는 곳

오픈 액세스 & 오픈 소스

■ 오픈 액세스(open access) 운동

- 학술 정보에 존재하는 가격 장벽과 접근 장벽을 없애고 자유로운 학술 활동을 지원하기 위한 운동
 - 셀프 아카이빙(Self archiving)
 - 오픈 액세스 저널(open access journal)

■ 오픈 소스(open source) 운동

- 오픈 소스 소프트웨어는 이용 목적에 관계없이 소프트웨어에 관한 연구, 이용, 수정, 재배포를 허용하는 소프트웨어로 이러한 소스 코드를 공개하는 운동
- 사례: DSpace, Eprint, Fedora 등

셀프 아카이빙

■ 셀프 아카이빙 (Self Archiving)

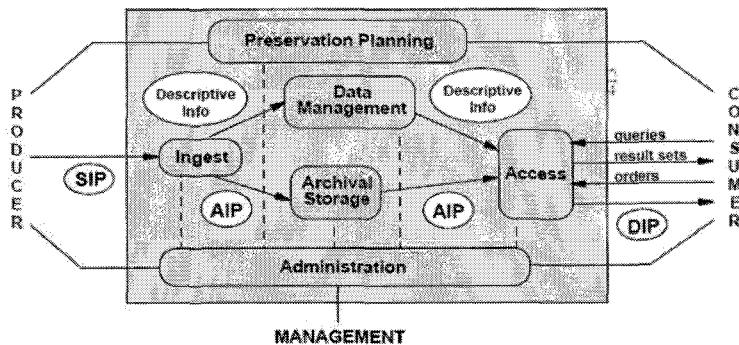
- 연구자가 연구 결과물을 본인 소속 기관이나 홈페이지에 Archiving하는 것
- 출판사 정책에 의해 Self Archiving 허용시 저자가 직접 Archiving 가능

Springer, Elsevier 등 출판사, 학회가 저널논문의 IR 구축 허용
<http://www.sherpa.ac.uk/romeo>

리포지토리 시스템 구조(OAIS)

■ OAIS (Open Archival Information System)참조모형

- 포괄적인 디지털 아카이빙 표준 제시
- 각 기관의 목표와 목적에 맞게 이를 수정/보완하여 디지털 아카이브를 구축하는 연구 및 프로젝트 진행



기관 리포지터리

■ 기관 리포지터리 (IR, Institutional Repository)

- 대학 등 연구기관에서 그 기관 소속 구성원의 지적인 연구물을 전자적 형태로 저장하고 무료로 공개하는 아카이브(archive) 시스템
- 저장공간이라는 아카이브적인 개념보다는 접근과 이용을 강조한 오픈 액세스와의 관련성을 표현하기 위하여 리포지터리라는 용어를 사용하는 추세(양혜미 2007)
- 기관 리포지터리 구축 기관 증가
 - 저작권 문제 해결
 - 기관의 자산으로 인정 받음
 - 구축 용이
 - 비용 저렴

DSpace란 (<http://dspace.org>)

■ DSpace



- DSpace(<http://dspace.org>)는 MIT와 HP가 공동 개발한 Open Access Self-Archiving System으로 전세계 400개 이상의 대학/연구소에서 지적 생산물을 수집·공유하기 위한 기관 리포지터리로 활용

■ S-Space (<http://s-space.snu.ac.kr>)

S-Space

- S-Space는 서울대도서관이 운영하는 서울대 DSpace로 서울대의 지적 생산물을 수집·공유하는 기관 리포지터리 (IR, Institutional Repository)

DSpace 장전

- 전세계적으로 가장 많은 이용자와 개발자 커뮤니티
- Free Open Source Software
- 시스템 설치 및 커스터마이징 용이
- 교육, 정부, 개인, 상업적 기관에서 사용 가능
- 텍스트, 이미지, 오디오/비디오, 데이터셋 등 모든 유형의 디지털 자료의 관리, 보존 가능

❖ Handle system을 통한
Global Unique Identifier 부여
❖ OAI-PMH 지원, OpenURL
지원, RSS 지원을 통한 표준화
된 방식의 Open Access 제공

DSPACE

ABOUT DSPACE

- About DSpace
- Why Use DSpace?
- What is DSpace?
- DSpace Features
- DSpace Foundation
- Service Providers

GETTING STARTED

USEFUL DEVELOPERS

NEWS AND EVENTS

RESOURCES

Username:

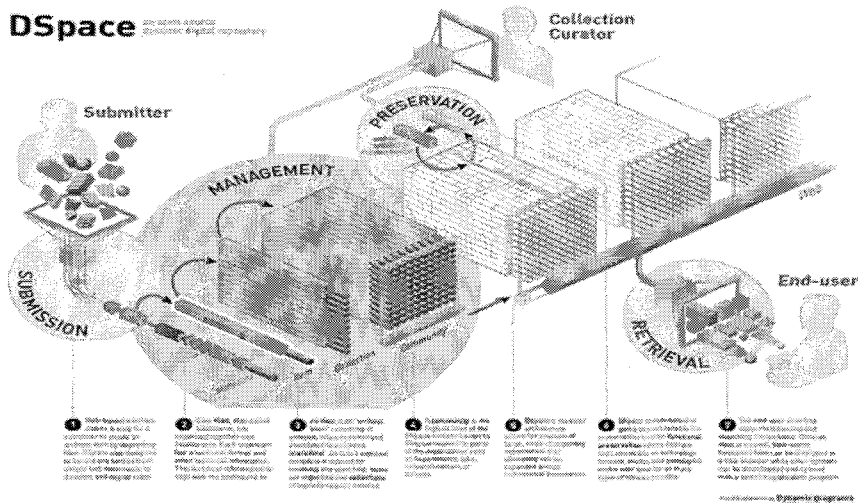
Password:

Top Reasons to Use DSpace

- ➔ Largest community of users and developers worldwide
- ➔ Free open source software
- ➔ Completely customizable to fit your needs
- ➔ Used by educational, government, private and commercial institutions
- ➔ Can be installed out of the box
- ➔ Can manage and preserve all types of digital content

Informational Brochure
View our informational brochure

DSpace Diagram



DSpace(S-Space) 구성 체계

- 학과, 연구소 등 기관 단위로 연구물 보존을 위해 Community 생성 및 자료 성격에 따라 다양한 Collection 생성 가능

■ 계층 구조

Community → Sub-Community → Collection

구분	내용
Community	대학, 대학원, 연구소 그룹
Sub-Community	대학별 학과, 연구소별 연구팀 그룹
Collection	자료의 성격별 그룹

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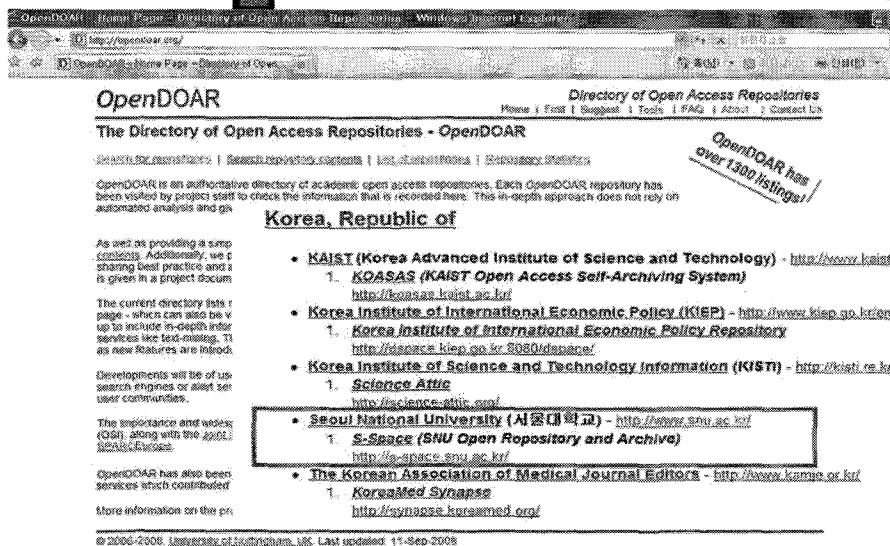
DSpace (http://dspace.org)

The screenshot shows the DSpace website homepage. At the top, there's a navigation bar with links like 'About DSpace', 'Who's Using DSpace', 'DSpace in the News', 'DSpace Project', and 'Support Resources'. Below this, there's a 'Repository List' section with a table of DSpace instances. The table has columns for Country, Name, and URL. The countries listed are Africa, Asia, Europe, North America, and South America. The names of the institutions are listed in the second column, and their URLs are in the third column. Below the table, there's a 'Getting Started' section with links like 'About DSpace', 'Who's Using DSpace', 'DSpace in the News', 'DSpace Project', and 'Support Resources'. There's also a 'User Login' section with fields for Username and Password, and a 'Forgot Your Password?' link. At the bottom, there's a 'DSpace Project' section with links like 'About DSpace', 'Who's Using DSpace', 'DSpace in the News', 'DSpace Project', and 'Support Resources'.

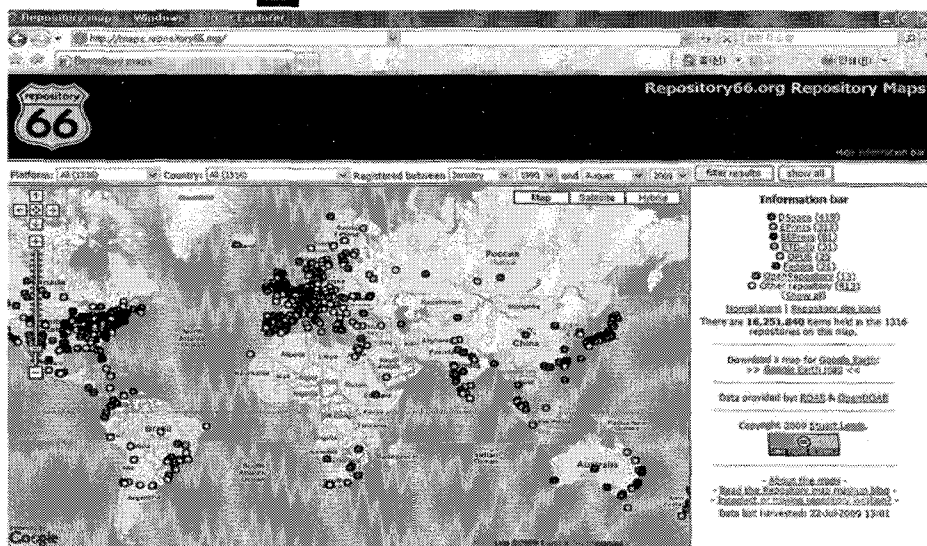
Country	Name	URL
Africa	Odin Foundation	http://www.odin.org.za/dspace/
Asia	Universitat de València	http://www.uv.es/dspace/
Europe	Universitat Nacional de Córdoba	http://www.unc.edu.ar/dspace/
North America	University of Toronto	http://www.library.utoronto.ca/dspace/
South America	Universitat de València	http://www.uv.es/dspace/

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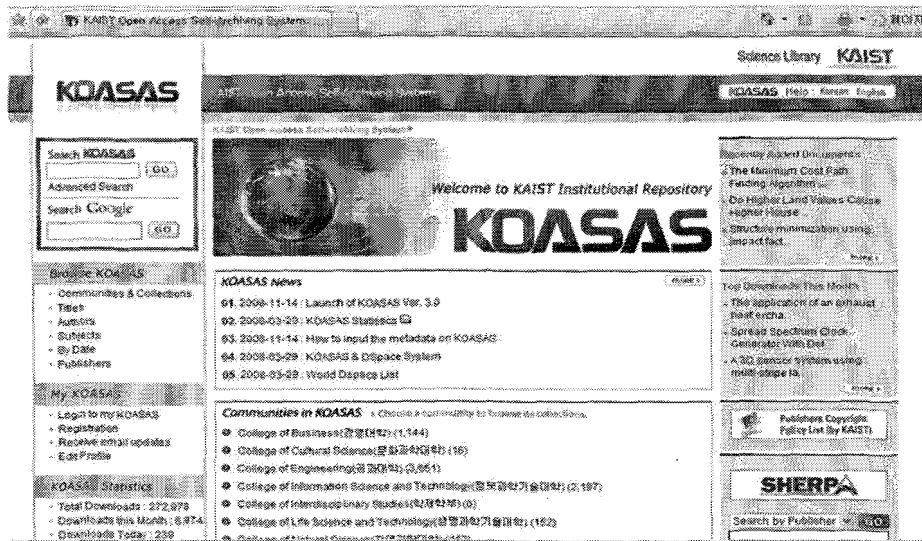
OpenDOAR



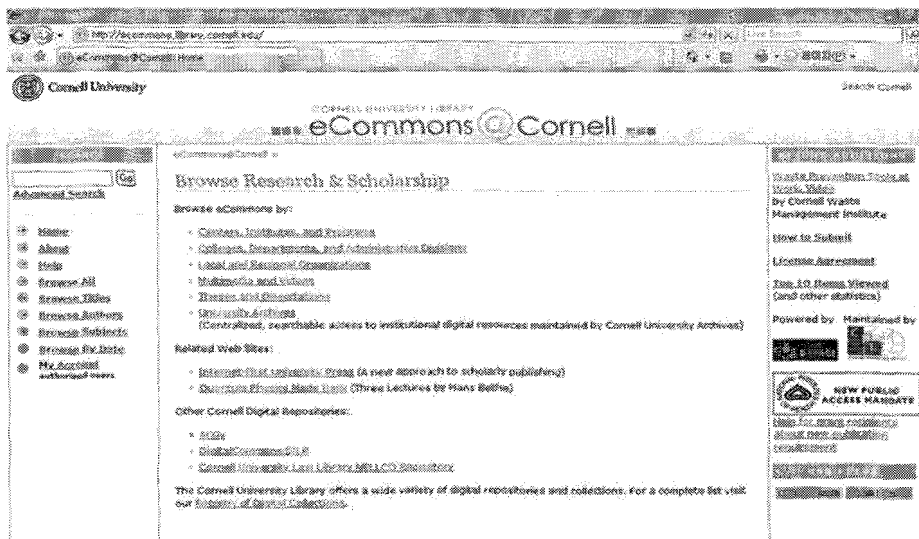
전세계 리포지토리 현황



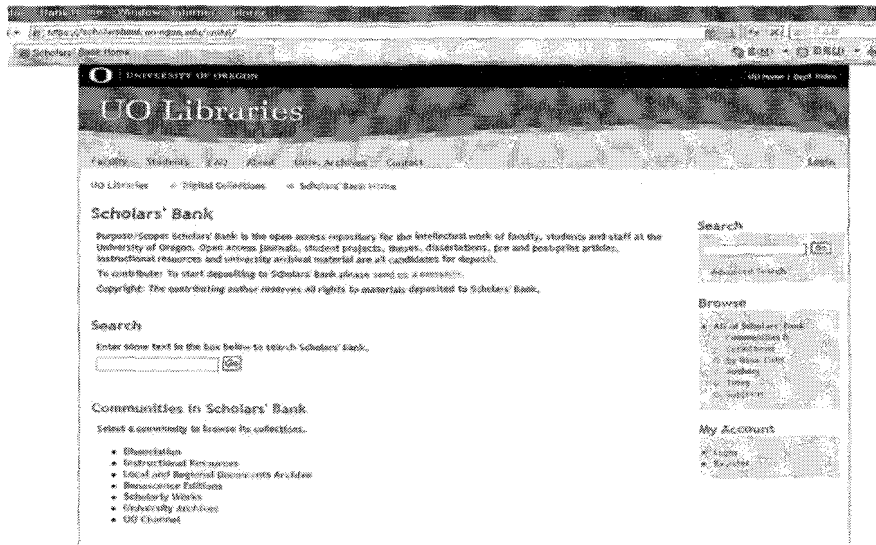
KAIST의 KOASAS



Cornell의 DSpace



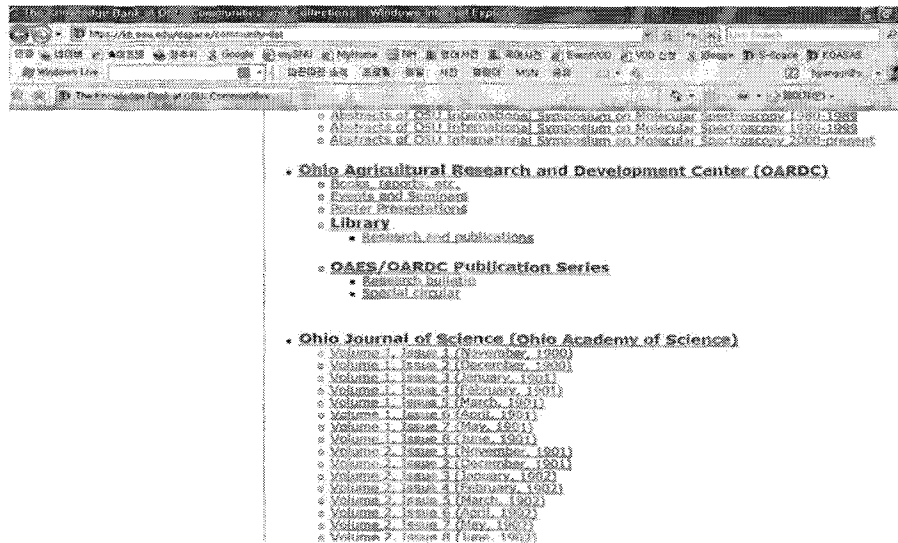
U. Oregon's DSpace



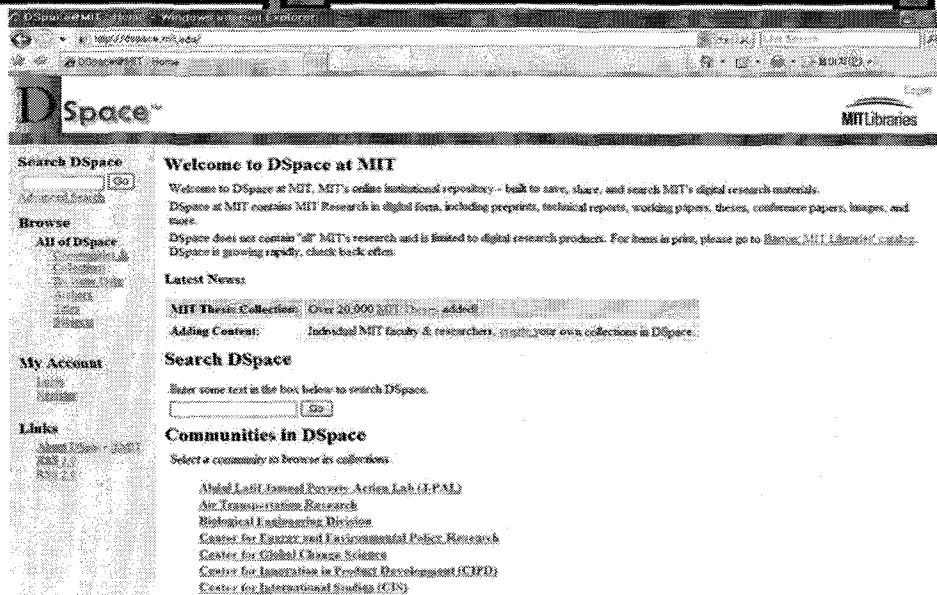
U. Wisconsin's DSpace



Ohio State U. DSpace (저널 서비스)



MIT의 DSpace



MIT 학위논문 서비스 사례

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DSpace
MIT Libraries

Search DSpace
Browse
My Account
Links

Home > MIT Libraries > MIT DSpace > Home > Dept. of Electrical Engineering and Computer Science > Electrical Engineering and Computer Science > Media & Release

M-Studio : an authoring tool for context-aware mobile storytelling
Shih, Hsin-Ming (Hsin-Ming)

Child URL: <http://dspace.mit.edu/handle/123456789/123456789>

Title: M-Studio : an authoring tool for context-aware mobile storytelling
Author: Shih, Hsin-Ming (Hsin-Ming)
Other Contributors: Massachusetts Institute of Technology. Dept. of Electrical Engineering and Computer Science.
Advisor: Stephen Chong
Department: Massachusetts Institute of Technology. Dept. of Electrical Engineering and Computer Science.
Publisher: Massachusetts Institute of Technology
Issue Date: 2003

Description: Thesis (M. Eng.). Massachusetts Institute of Technology. Dept. of Electrical Engineering and Computer Science, February 2003. Includes bibliographical references (leaf 63).

URI: <http://dspace.mit.edu/handle/123456789/123456789>
Keywords: Electrical Engineering and Computer Science.

Files in this item

Files	Size	Format
M-Studio: an authoring tool for context-aware mobile storytelling	5.75MB	application/pdf
Full text: M-Studio: an authoring tool for context-aware mobile storytelling	5.75MB	application/pdf

MIT 학위논문출력 - 유료

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DSpace@MIT
MIT Libraries

Home > MIT Libraries > MIT DSpace > Home > Dept. of Chemistry > Chemistry > Involving cycloadditions of cyclohexanones with conjugated enynes

Involving cycloadditions of cyclohexanones with conjugated enynes
Thoms, S.M. (S.M.)

Description: Thesis (S.M.). Massachusetts Institute of Technology. Dept. of Chemistry, 2008. Includes bibliographical references.

URI: <http://dspace.mit.edu/handle/123456789/123456789>
Issue Date: 2008
Publisher: Massachusetts Institute of Technology
Keywords: Chemistry

Files in this item

Files	Size	Format
Involving cycloadditions of cyclohexanones with conjugated enynes	3.170Mb	application/pdf
Full text: Involving cycloadditions of cyclohexanones with conjugated enynes	3.169Mb	application/pdf

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About OAPS



OAPS - Outstanding Academic Papers by Students

OAPS provides online access to the Outstanding Academic Papers written by students. Initiated by the Library in 2005, it is a project to support outcomes based teaching and learning. The Library has attempted to collect students' outstanding academic papers, preserve them in digital format and make them available online to the CityU community and beyond. This Repository raises the visibility of our students' works, encourages innovative and quality research, provides long-term access to our students' research output and serves as a teaching resource for faculty. As papers are selected and submitted by academic departments, we invite more academic departments to join the project by submitting your students' quality works.

Guidelines for Joining OAPS and Submitting Papers

OAPS in CityU Institutional Repository

OAPS in Other Institutions

OAPS is a collaborative project between CityU and other institutions, including Feng Chia University and Tsinghua University. This partnership promotes scholarly communications and allows mutual access of good papers from other members without restrictions.

OAPS in Feng Chia University

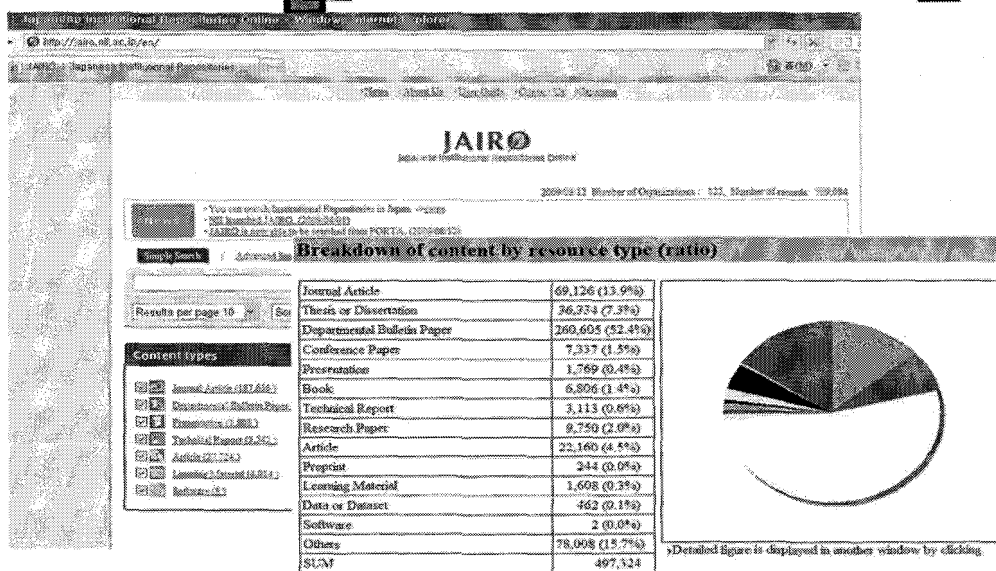
OAPS in Tsinghua University

DSpace for OAPS



JAIRO 가동

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S-Space (<http://s-space.snu.ac.kr>)

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추진경과

- 2001. - 개발 검토
- 2008.7-11. 개발
- 2008.12.22. 가동

S-Space 운영

■ 이용대상

- 서울대학교 구성원

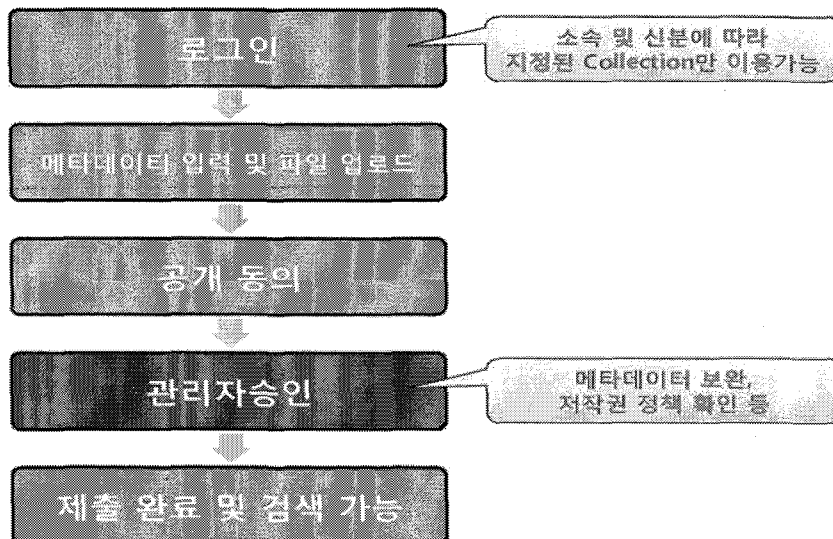
■ 제출대상 자료

- 저작권을 보유한 출판전 논문 및 출판후 논문
- 회의자료, 연구자료 및 프로젝트 보고서 등
- 대학·학과·연구소·학회 발간 저널
- 석박사 학위논문 (석박사 학위논문은 도서관 원문 DB로 링크 예정)
- 반증자료 및 미완성 자료
- 강의노트
- 학부생 연구자료 등

■ 제출방법

- S-Space에 본인이 직접 등록(self-archiving) 또는 S-Space 리포지토리 담당자에게 e-mail(s-space@snu.ac.kr) 및 공문 의뢰

S-Space 프로세스



메타데이터 구성

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■ Dublin Core 기반

Enter the names of the authors of this item below.

Last name
e.g. Hong
 First name(s)
e.g. Gildong
 *Authors Lee Eun-Sun Add More

Enter the names of the alternative authors of this item below.

Last name
e.g. 홍
 First name(s)
e.g. 길동
 *Authors (Alternative) 이 은진 Add More

Enter the main title of the item.

*Title Tumorigenesis study of canine adipose derived-mesenchy

Please give the date of previous publication or public distribution below. You can leave out the day and/or month if they aren't applicable.

*Date of Issue Month: September Day: 21 Year: 2007

Enter the name of the publisher of the previously issued instance of this item.

Publisher Official Journal of Korean Society of toxicology

Enter the standard citation for the previously issued instance of this item.

Citation J. Toxicol. Pub. Health vol.23, no.3 pp.271-276 (2007)

Enter the series and number assigned to this item by your community.

Series/Report No. 23
 Series Name 3
 Report or Paper No. Add More

S-Space 홈페이지 구성

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The screenshot shows the S-Space homepage with the following elements:

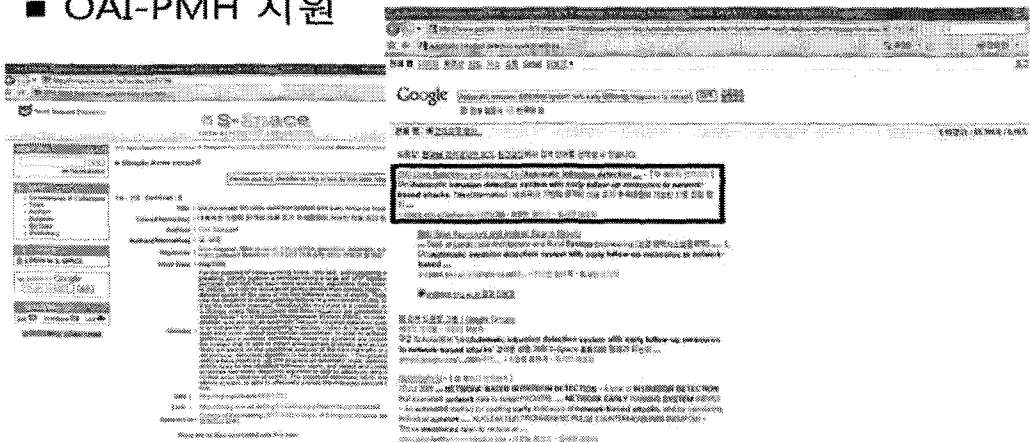
- Header:** Seoul National University logo, S-Space logo, and navigation links (HOME, SNU, mySNU, Library).
- Left Sidebar:**
 - SEARCH: Keyword search bar.
 - Communities & Collections: Links to Titles, Authors, Subjects, By Date, Publishers.
 - LOGIN to S-SPACE: Login button.
 - SEARCH by CATEGORY: Dropdown menu with categories like All, Literature, etc.
- Main Content Area:**
 - Welcome To S-Space:** Introduction text about S-Space as a digital repository.
 - Communities in S-Space:** A list of 20 academic communities, including the Center for Teaching & Learning, College of Agriculture & Life Sciences, College of Education, etc.
- Right Sidebar:**
 - ABOUT S-SPACE:** 5 Reasons to Use S-Space (FAQ, Can I upload my paper?, Search by Publisher).
 - S-SPACE MANUAL:** RECESS ACQUISITION (An improvement of ARJIS, Schedule by Intitol, Translate response of a unit, etc.) and TOP SYSTEMS DESCRIPTION (한국(韓國) 연구소, 한국과학기술정보연구원, etc.).
 - STATISTICS:** Total Viewed Items: 141,840; Total Downloads: 29,192.
- Footer:** A row of buttons: 검색 (Search), Browse, 로그인 (Login), 저작권 정책 확인 (Check Copyright Policy), 이용약관 (Terms of Use), 통계 (Statistics).

대학, 학과, 연구소별 화면 구성 가능



검색 강화 및 인용률 증가

- S-Space 등재 자료는 다양한 검색엔진(Google, Yahoo, openDOAR 등) 검색되어 가시성 확대
- OAI-PMH 지원



Handle 시스템

■ Handle system을 통한 Global Unique Identifier 부여

- 하나의 아이템(논문)마다 고유의 handle ID 부여
- 1994년 CNRI(The Corporation for National Research Initiatives)에서 디지털도서관 하부구조를 구축하기 위한 프로젝트의 일부로 시작
- DSpace의 handle 구성
 - 예) [http://hdl.handle.net/\(고유번호\)](http://hdl.handle.net/(고유번호))
- handle시스템 등록 비용 부담
 - Annual Service Fee \$50 (매년 지불)
 - Prefix Registration Fee \$50 (초기 1회)

고유 URL 정보

The screenshot shows a web browser window displaying a DSpace repository page. The page title is "Simple item record". The main content area shows the following information:

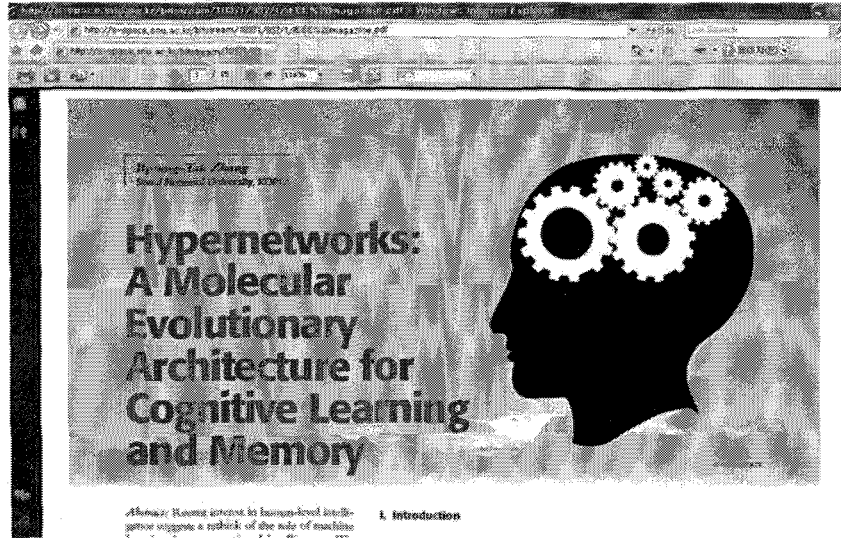
- Title:** Hypertext: A molecular evolutionary architecture for cognitive learning and memory
- Authors:** Zhang, Ruyun, et al.
- Authors(Alternative):** 장, 유운
- Keywords:** hypertext, memory, evolutionary, molecular computing
- Issue Date:** Aug-2005
- Publisher:** IEEE
- Citation:** IEEE Computational Magazine, VOL.45, NO.3, pp.49-67
- Abstract:** Recent interest in human-level intelligence suggests a rethink of the role of machine learning in computational intelligence. We argue that without cognitive learning the goal of achieving human-level synthetic intelligence is far from completion. Here we review the principles underlying human learning and memory, and identify three of them, i.e., consistency, plasticity, and chunking, as the most fundamental to human-level machine learning. We then propose the recently developed hypertext model as a candidate architecture for cognitive learning and memory. Hypertexts are a candidate hypothesis to structure higher-order probabilistic relations of data by an evolutionary self-organizing process based on multiple consistency. The chemically-based massive interaction for information organization and processing in the molecular hypertexts, referred to as hypertext-learn, is contrasted with the symbolic, conventional, and distributed approaches to mind and intelligence. We demonstrate a recent memory, visual imagery, and language as a molecular memory game evolution to a unified theory of cognitive learning.
- URI:** <http://hdl.handle.net/1027/937>
- Appears in:** College of Engineering (전기공학부) > Journal Papers (학술논문)

At the bottom, there is a table titled "Files in this Item:" with the following columns: Description, Size, and Status. The table contains one entry: "IEEE_magazine.pdf" with a size of "14400b" and a status of "Adobe PDF".

연구적 URL 부여

IEEE 출판사 PDF 버전

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SHERPA/RoMEO- IEEE 저작권 정책

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- Postprint-Publishers version/PDF "must" be used

SHERPA RoMEO

Home | Guidance | Depositories

Publisher copyright p

Found 1 publishers when searched for IEEE:

These summaries are for the publishers default policies and changes or exceptions can often be negotiated by authors. All information is correct to the best of our knowledge but should not be relied upon for legal advice.

Publisher: Institute of Electrical and Electronics Engineers (IEEE)

Pre-print: ☒ author can archive pre-print (ie pre-refereeing)

Post-print: ☒ author can archive post-print (ie final draft post-refereeing)

Conditions:

- Authors can and should make publicly accessible webpages
- Preprint - Must be removed upon publication of final version
- Preprint - Set phrase must be added once submitted to IEEE for publication (see policy)
- Preprint - Set phrase must be added when accepted by IEEE for publication (see policy)
- Preprint - IEEE must be informed as to the electronic address of the pre-print
- Postprint - Publisher copyright and source must be acknowledged
- Postprint - Publishers version/PDF "must" be used

Mandated OA: ☒ **CC0** (Compliant) ☒ **CC-BY** (Compliant) ☒ **CC-BY-NC** (Compliant) ☒ **CC-BY-NC-SA** (Compliant) ☒ **CC-BY-SA** (Compliant) ☒ **Public Domain** (Compliant)

Copyright: See Electronic Information dissemination policy and associated form and other copyright information

RoMEO: This is a RoMEO green publisher

Updated: 03-Dec-2009. [Revisions in website for this record](#)

저작권 정책

저작권 정책 확인

■ 저널논문

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- 한국학술정보, 누리미디어 등 DB사에 S-Space 등재 허용 요청
- 각 해당 저널의 학회에 S-Space 등재 허용 요청

S-Space 등재 학내간행물 현황

(2009.7.31. 현재)

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1	Seoul Journal of Business	경영대학	108
2	Seoul Journal of Economics	경제연구소	395
3	Asia Design Journal	한국디자인산업연구센터	20
4	언론정보연구	언론정보연구소	268
5	한국사학과학	사회과학연구원	42
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11	가르침과 배움	교수학술개발센터	82
12-13	종교와 문화 : 종교학연구	종교학과	348
14	Seoul Journal of Medicine	의과대학	148
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Seoul Journal of Economics : [1989]

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Collections in this community

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- Volume 03, Number 1 (Spring 1991) (5)
- Volume 03, Number 2 (Summer 1991) (5)
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- Explaining the Business Groups in China
- Entrepreneurial Efficiency: An Empirical Framework and Evidence
- Corporate Leverage, Bankruptcy, and Output Adjustment in Post-Crisis East Asia
- Flourish and Growth of the Korean Economy from 1960 to 2004
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학위논문 등재 (링크 연결 사례)

The screenshot shows a detailed record of a thesis in the S-Space database. The record includes the title, author, keywords, and a full-text abstract. The title is 'The Effect of the Korean Financial Market on the Korean Economy' by Kim, J. H. The abstract discusses the impact of the Korean financial market on the economy, mentioning the Korean Financial Market (KFM) and the Korean Economy (KE).

Simple item record

Title: The Effect of the Korean Financial Market on the Korean Economy

Author(s): 김, J. H.

Keywords: Korean Financial Market; Korean Economy; Korean Financial Market; Korean Economy

Issue Date: 2000-09-01

Abstract: The purpose of this study is to provide some empirical evidence on the effect of the Korean Financial Market (KFM) on the Korean Economy (KE). The study is based on the data of the KFM and the KE. The study is divided into two parts. The first part is to describe the KFM and the KE. The second part is to analyze the effect of the KFM on the KE. The study shows that the KFM has a positive effect on the KE. The study also shows that the KFM has a negative effect on the KE. The study concludes that the KFM has a significant effect on the KE.

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Author(s)(Name(s)) : Suh, Kyungho
Keywords : 韓國文學
Issue Date : 30-Dec-2008
URI : <http://hdl.handle.net/10371/1006>
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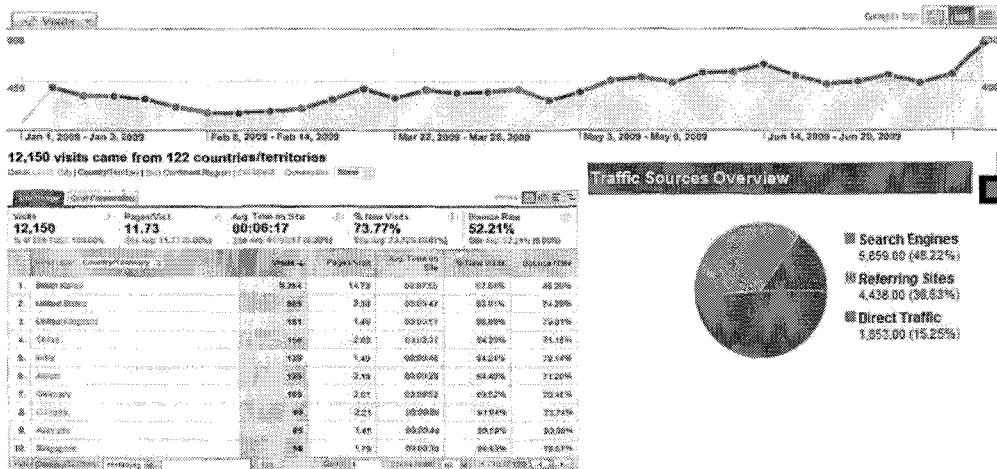
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